



DEPARTMENT of ENVIRONMENT and NATURAL RESOURCES
Minerals & Mining Program - Oil & Gas Section
2050 West Main, Suite #1, Rapid City, SD 57702-2493
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FORM 2

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MAR 17 2005

APPLICATION FOR PERMIT TO DRILL

DEPARTMENT OF ENVIRONMENT & NATURAL
RESOURCES - RCRO

Type of work:

☒ Drill New Well ☐ Reenter Well ☐ Drill Directional Well

☐ Other _____

Type of well:

☒ Oil Well ☐ Gas Well ☐ Injection

☐ Other _____

Name and Address of Operator:

Telephone

Fidelity Exploration & Production Company PO Box 1010 2010 Montana Ave 406-359-7360

Glendive MT 59330

Name and Address of Surface Owner:

State of SD, Office of School and Public Lands; 500 E Capital Ave. Pierre SD 57501-5070

Name and Address of Drilling Contractor and Rig Number:

Unknown at this time

Surface Location of well: Qtr-Qtr, Sec, Twp, Rge, County, feet from nearest lines of section, and latitude and longitude (if available):

SE SE, SEC 18, T18N, R6E, Harding Co, 660' FSL, 660' FEL

Lat. N 45 31' 05.64"; LONG. W 103 25' 30.02"

If Directional, top of pay and bottom hole location from nearest lines of section:

N/A

Acres in Spacing (Drilling) Unit

640

Description of Spacing Unit

640

Well Name and Number

STATE 44-18

Elevation

2876.7'

Field and Pool, or Wildcat

Wildcat

Proposed Depth and Formation

8300' Red River C

Size of Hole

1) 12.250"

Size of Casing

8.625"

Weight per Foot

24#

Depth

800'

Cementing Program (amount, type, additives)

300 sks Premium 3% CaCl₂ 1/4pps flake

Depth

Surface

2) 7.875"

5.500"

17,20,15.50#

0-8300'

800 sks Premium & Lite, two stage

2800'

3)

4)

Describe Proposed Operations (Clearly State all Pertinent Details, and Give Pertinent Dates, Including Estimated Date of Starting any Proposed Work). Use additional page(s) if appropriate.

April - start dirt work, build locations and roads

May-June - plan to spud well; drill a vertical test to Red River C. Surface hole will be drilled with fresh water to 800'.

Setting 7" casing and cementing back to surface. Plan to drill out with an oil base mud and drill to TD with this mud program.

A DST will be conducted in the Red River C. Open hole logs will be run from TD to surface casing shoe. Run 5.50" casing to within 50' of TD of 8300'. All drilling fluids and cuttings will be contained in a 12 mil lined pit. All liquids will be disposed of in an approved site, the cuttings and liner will be buried in place

I hereby certify that the foregoing as to any work or operation performed is a true and correct report of such work or operation.

Signature

Tim Ree

Name (Print)

STATE GEOLOGICAL SURVEY
WESTERN FIELD OFFICE

Western Supervisor

Title

3/15/05

Date

FOR OFFICE USE ONLY

Approved By:

Title: Oil & Gas Supervisor

Permit No. 1728

API No. 40 063 20586

Date Issued: 04/05/05

Conditions, if any, on attached page.